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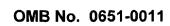
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Reference cited by Protester





Atty. ,Docket No.	01147-0142-00000	Reissue Serial No.	09/533	,906		
Applicant	Mark L. Collins et al.					
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		U.S. PATENT D	OCUMENTS			
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DRS	4,683,202	7/28/87	Mullis	435	91	
	5,399,491	3/21/95	Kacian et al.	435	91,21	
	5,639,599	6/17/97	Ryder et al.	435		
	5,731,148	3/24/98	Becker et al.	435	\mathcal{G}	
eller and an a	6,025,133	2/15/00	Stull et al.	435	6	
	6,110,678	8/29/00	Weisburg et al.	435	6	
73/251	6,130,038	10/10/00	Becker et al.	435	6	
	FO	REIGN PATENT	DOCUMENTS			
	Document Number	Date	Country	Clas s	Sub Class	Translation Yes or No
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	Gilles Mangiapan et al., Clinical Specimens, Jou					erial DNA in
	Margareta leven et al., Respiratory Tract Infect (1997).					
nps	Axel Ullrich et al., Rat li Sequences, Science, 1			s Contain	ing the Co	ding
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ng!		ucleotides: The Linkage of Deoxyribopolynucleotide in Their Replication, The Journal of Biological Chemistry,						
P		vention: The Trial of DuPont vs. Cetus, in THE POLYMERASE eds., Birkhauser Boston, 1994), pp. 428-441.						
	Paul Rabinow, MAKING PCR: A STO	RY OF BIOTECHNOLOGY (Univ. Chicago Press 1996), p. 9.						
	S.M. Tilghman et al., Cloning Specific Segments of the Mammalian Genome: Bacteriophage λ Containing Mouse Globin and Surrounding Gene Sequences, Proceedings of the National Academy of Sciences USA, 74:4406-4410 (1977).							
		Stuart H. Orkin et al., Cloning and Direct Examination of a Structurally Abnormal Human β^0 -thalassemia Globin Gene, Proceedings of the National Academy of Sciences USA, 77:3558-3562 (June 1980).						
A THE PARTY OF THE		Elizabeth Lacy et al., Isolation and Characterization of Mammalian Globin Genes, in Cellular and Molecular Regulation of Hemoglobin Switching, pp. 501-519 (1978).						
	A. P. Ryskov et al., Short Communo in Globin Gene Sequences, Gene 3:	iation: Purification of Large Native DNA Fragments Enriched 81-85 (1978).						
Total	Craig Hill, Automating Nucleic Acid A (November/December 2000).	Amplification Tests, IVD Technology, 6:36-45						
Figure 1	PCR TECHNOLOGY (Henry A. Erlich,	ed., Stockton Press 1989), pp. 1-5.						
	PCR PROTOCOLS, A GUIDE TO METHO Press 1990), pp. 13-19.	DDS AND APPLICATIONS, (Michael A. Innis et al. eds., Academic						
	E. T. Wang of Painewebber, Inc., Bio (OneSource Information Services, In	otechnology Research Note, The Investext Group, c. October 26, 2000).						
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QBS	Web pages for Gen-Probe, http://ww	w.gen-probe.com/bottom.html., 2000 Dry page NA						
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DB		Sanjay Tyagi et al., Extremely Sensitive, Background-free Gene Detection Using Binary Probes and Qβ Replicase, Proc. Natl. Acad. Sci. USA, 93:5395-5400 (1996).						
		Yi-Wei Tang et al., <i>Molecu</i> 2021-2038 (1997).	lar Diagnosi	tics of Infectious Dise	ases, Clin	ical Chen	nistry, 43:11,	
103	1	Thomas J. White et al., <i>The</i> Clinical Chemistry, 29:161-		Chain Reaction: Clin	nical App	lications,	Advances in	
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	4,542,102	9/17/85	Dattagupta et al.	435	6	FEB 01 2001
	4,556,643	12/3/85	Paau et al.	436	50]	
, 200%). 200%).	4,563,417	1/7/86	Albarella at al.	435	6	TECH CENTER 1600/29
	4,656,127	4/7/87	Mundy	435	6	
	4,670,379	6/2/87	Miller	435	6	
inghe	4,683,195	7/28/87	Mullis et al.	435	6	
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	4,725,537	2/16/88	Fritsch et al.	435	6	
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	4,749,647	6/7/88	Thomas et al.	435	4	
	4,751,177	6/14/88	Stabinsky	435	6	
	4,764,460	8/16/88	Furuichi et al.	435	\wp	
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DB	4,766,064	8/23/88	Williams et al.	435	6
1	4,777,129	10/11/88	Dattagupta et al.	435	6
	4,785,086	11/15/88	Rashtchian et al.	536	27
	4,795,700	1/3/89	Dervan et al.	435	5
The state of the s	4,797,355	1/10/89	Stabinsky	435	6
And the state of t	4,818,680	4/4/89	Collins et al.	435	6
	4,818,681	4/4/89	Dattagupta	435	6
THE IT	4,824,776	4/25/89	Heller	435	6
	4,851,331	7/25/89	Vary et al.	435	6
	4,868,105	9/19/89	Urdea et al.	435	6
	4,983,511	1/8/91	Geiger et al.	435	6
	4,994,373	2/19/91	Stavrianopoulos et al.	435	G
	4,996,143	2/26/91	Heller et al.	435	(a)
	5,008,182	4/16/91	Sninsky et al.	435	5
	5,011,769	4/30/91	Duck et al.	435	6
	5,085,982	2/4/92	Keith	435	5
	5,118,605	6/2/92	Urdea	1100	6
	5,176,995	1/5/93	Sninsky et al.	1170	6
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DR)	5,236,826	8/17/93	Marshall	435	7.92	DECEIVED
	5,238,808	8/24/93	Bard et al.	435	4	ALUEIVE
	5,242,794	9/7/93	Whiteley et al.	435	6	FEB 01 2001
E	5,268,268	12/7/93	Sinsky et al.	435	6	+000.000
	5,288,609	2/22/94	Engelhardt et al.	435	6	TECH CENTER 1600/29
The state of the s	5,310,650	5/10/94	McMahon et al.	435	6	
	5,374,524	12/20/94	Miller	435	6	
	5,386,022	1/31/95	Sninsky et al.	536	24.37	
	5,424,188	6/13/95	Schneider et al.	435	6	
Harting II	5,468,613	11/21/95	Erlich et al.	435	6	
	5,482,834	1/9/96	Gillespie	435	6	
	5,521,065	5/28/96	Whiteley et al.	435	6	
The state of the s	5,594,123	1/14/97	Sninsky et al.		24.32	
	5,599,667	2/4/97	Arnold, Jr. et al.	435	6	
	5,604,099	2/18/97	Erlich et al.	435	6	
	5,614,362	3/25/97	Urdea et al.	435	5	
	5,635,347	6/3/97	Link et al.	435	6	
	5,641,630	6/24/97	Snitman et al.	435	6	
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JAN 3 1 2001 Atty. Docket No. 01147-0142-00000 Reissue Serial No. 09/533,906 Applicant Mark L. Collins et al. Filing Date March 8, 2000 Group 1655 **U.S. PATENT DOCUMENTS Document** Sub Examiner Initial* Number Date Name Class Class 5,641,631 6/24/97 Kohne et al. 287.2 RECEI 5,714,380 2/3/98 Neri et al. 5,780,224 7/14/98 Collins et al. TECH CENTER 1600/2900 **FOREIGN PATENT DOCUMENTS Document** Sub Number Date Country Class Class EP 0 152 886 A2 8/28/85 Europe EP 0 154 505 A2 9/11/85 Europe WO 86/05815 10/9/86 PCT EP 0 159 719 A3 10/30/85 Europe EP 0 184 056 A3 6/11/86 Europe EP 0 200 362 A3 12/10/86 Europe EP 0 265 244 A2 4/27/88 Europe WO 87/01730 3/26/87 **PCT** GB 2187 283 A 9/3/87 United Kingdom AU B 73068/87 11/9/87 Australia AU A 11937/88 9/15/88 Australia Examiner 1 QAQ Date Considered Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through *Examiner: citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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(Use several sheets if necessary) JAN 3 1 2001 09/533.906 Reissue Serial No. 01147-0142-00000 Mark L. Collins et al. 1655 Group March 8, 2000 OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) Dunn, A.R., et al., A Novel Method to Map Transcripts: Evidence for Homology Between an Adenovirus mRNA and Discrete Multiple Regions of the Viral Genome, Cell, vol. 12, pp. 23-36 Collins, Mark L., et al., Improved Hybridization Assays Employing Tailed Oligonucleotide Probes: A Direct Comparison with 5'-End-Labeled Oligonucleotide Probes and Nick-Translated Plasmid Probes, Analytical Biochemistry, vol. 151, pp. 211-224 (1985). Jackson, P.R., et al., Detection and Characterization of Leishmania Species and Strains From Mammals and Vectors By Hybridization and Restriction Endonuclease Digestion of Kinetoplast DNA, Veterinary Parasitology, vol. 20, pp. 195-215 (1986). Welcher, A.A., et al., Selective Enrichment of Specific DNA, cDNA and RNA Sequences Using Biotinylated Probes, Avidin and Copper-Chelated Agarose, Nucleic Acids Research, vol. 14, no. 24, pp. 10027-10044 (1986). et al. Nucleic Acid Sandwich Hybridization: Enhanced Reaction Rate with

		Magnetic Microparticles as Carriers, Molecular and Cellular Probes, vol. 2, pp. 281-288 (1988).					
ON		Syvanen, A., et al., Quantification of Polymerase Chain Reaction Products by Affinity-Based Hybrid Collection, Nucleic Acids Research, vol. 16, pp. 11327-11338 (1988).					
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Examiner	Di	ana Politica Date Considered 11 26 0					
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EXA TINER INITIAL														
May		Arsenyan et al., "Isolation of rat liver 5S RNA genes", Gene, 11:97-108 (1980)												
n	Blumenthal, "Q\beta replicase template specificity: Different templates require different GTP concentrations for initiation", Proc. Natl. Acad. Sci USA, 77(5):2601-2605 (1980)													
		Boss et al., "Sequence of the Yeast Iso-1-Cytochrome c mRNA", J. Biol. Chem., 256(24):12958-12961 (1981)										12961		
DBS		Brov	wn e	et é	11.,	" M	eth	ods.	of Gene I	solation", Ann. Rev. Biochem, 43:6	67-693	(1974)		
DRJ	Burgess, "Purification and Physical Properties of <i>E. coli</i> RNA Polymerase", in RNA Polymerase (Losick and Chamberlin ed.), (Cold Spring Harbor Laboratory, Cold Spring Harbor, NY, 1976), pt. 1:69-100									pt.				
nes	Feinberg et al., "A Technique for Radiolabeling DNA Restriction Endonuclease Fragments to High Specific Activity", Anal. Biochem., 132:6-13 (1983)									gh				
DEST	Gaubatz et al., "Displacement synthesis of globin complementary DNA: evidence for sequence amplification", Biochim. Biophys. Acta, 825:175-187 (1985)													
DRS	- 1	Kornberg, DNA Synthesis, (W.H. Freeman and Co., San Francisco, CA, 1974), pg. 65												

amplification", Biochim. Biophys. Acta.	Gaudatz et al., "Displacement synthesis of globin complementary DNA: evidence for sequence amplification", Biochim. Biophys. Acta, 825:175-187 (1985) Kornberg, DNA Synthesis, (W.H. Freeman and Co., San Francisco, CA, 1974), pg. 65							
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EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
Dry	Maniatis et al., "Extraction, Purification and Analysis of mRNA From Eukaryotic Cells, chpt. 6:187-196; and "Synthesis and Cloning of cDNA", chpt. 7:213-214, in Molecular Cloning, A Laboratory Manual, (Cold Spring Harbor Laboratory, Cold Spring Harbor, NY, 1982)
Bol	McGraw-Hill's, Biotechnology Newswatch, "DNA Cleavage Adapter Groomed For Genetic Diagnostics", 6(19):8 (1986) - no accredited author
	Orkin, "Genetic Diagnosis by DNA Analysis", N. Engl. J. Med., 317(16):1023-1025 (1987)
are	Polsky-Cynkin et al., "Use of DNA Immobilized on Plastic and Agarose Supports to Detect DNA by Sandwich Hybridization", Clin. Chem., 31(9):1438-1443 (1985)
, ucals 2772 21	Powell et al., "A Novel Form of Tissue-Specific RNA Processing Produces Apolipoprotein-B48 in Intestine", Cell, 50:831-840 (1987)
(Med)	Saiki et al., "Analysis of enzymatically amplified β -globin and HLA-DQ α DNA with allele-specific oligonucleotide probes", Nature, 324:163-166 (1986)
	Syvänen et al., "Fast quantification of nucleic acid hybrids by affinity-based hybrid collection", Nuc. Acids Res., 14(12):5037-5048 (1986)
	Thompson et al., "Enzymatic Amplification of RNA Purified from Crude Cell Lysate by Reversible Target Capture", Clin. Chem., 35(9):1878-1881 (1989)
- 2 <u>22</u> 3	
. Tu	

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*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COF	ITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH PY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

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	FOREIG	N PATEN	T DOCUMENTS		·				
	Document Number	Date	Country	Class	Sub Class	Translation Yes or No			
interior in					.3				
	OTHER DOCUMENTS (Includ	ing Autho	or, Title, Date, Pertine	nt Pages	, Etc.)				
Draj	Arsenyan et al. 1980. Isolation	on of Rat L	iver 5S RNA. Gene, V	ol. 11, pp	. 97-108.				
	Chemistry, Vol. 256, No. 24, pp. 12958-12961.					of Biological			
		Coffin, J.M. 1996. "Retroviridae: Viruses and Their Replication" in Fundamental Virology, Third Edition. Edited by B.N. Field, D.M. Knipe, P.M. Howley et al. Lippincott-Raven Publishers, Philadelphia 763, 776-778.							
	Coulsen, A.R., and Staden, R Biology. Edited by J. Kendrev								
		Georgiev et al. 1977. Isolation of Eukaryotic DNA Fragments Containing Structural Genes and the Adjacent Sequences. Science, Vol. 195, pp. 394-397.							
	Hirsch et al. 1978. Enrichment of Special Novikoff Hepatoma and Regenerating Liver mRNA by Hybridization to cDNA-cellulose. Proceedings of the National Academy of Sciences USA, Vol. 75, No. 4, pp. 1736-1739.								
	Montgomery et al. 1982. The Molecular Characterization of Three Transcriptional Mutations in the Yeast Iso-2-cytochrome c Gene. The Journal of Biological Chemistry, Vol. 257, No. 13, pp. 7756-7761.								
Strair et al. 1977. Use of Molecular Hybridization to Purify and Analyze Albumin Messenger R from Rat Liver. Proceedings of the National Academy of Sciences USA, Vol. 74, No. 10, pp. 4346-4350.									
Examiner	Diana Pol	•	Date Considered	11 2	501				
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